

# Redundant Module 1600W

## YNEC1600AM-2A00P10



### Feature

- 321.5 (L) x 54.5 (W) x 40.0 (H) mm
- N+1 Redundant
- Support PMBus 1.2
- High Power Density 37.4 W/in<sup>3</sup>
- Application for IPC/Storage/Embedded server/Networking/ AI Server



### INPUT

Input Voltage	90-100VAC @800W, 100-180VAC @1000W, 180-264VAC/190-310VDC @1600W
Input Frequency	47-63Hz
Input Current	13A / 90-180VAC,10A / 180-264VAC, 190-310VDC
Inrush Current	40A max at 230VAC
Power Factor	0.98 at 115VAC,0.95 at 230VAC
Earth Leakage Current	1.75mA max at 240VAC

### GENERAL

Efficiency	80 Plus PLATINUM certified,Highest efficiency 94% at 230VAC
Power Density	37.4 W/in <sup>3</sup>
MTBF	100 kHrs per Telcordia SR-332 at 25°C ambient

### ENVIRONMENTAL

Operating Temperature	-10 to 55°C
Operating Humidity	5%~85%, Non-condensing
Storage Temperature	-40°C to +70 °C
Operating Altitude	Sea level to 5,000 M
Shock Operating	30G, 11mSec, half sine 3 axes
Non-Operating	TBD
Vibration Operating	0.01G <sup>2</sup> /Hz at 10Hz, 0.02G <sup>2</sup> /Hz at 20Hz
Non-Operating	0.02G <sup>2</sup> /Hz form 20Hz to 1kHz

### EMC & SAFETY

Emissions	EN55032, class A Conducted / EN55032, class A Radiated
Harmonic Currents	EN61000-3-2
Voltage Flicker	EN61000-3-3
EFT/Burst	EN61000-4-4
Surge	EN61000-4-5
Conducted Immunity	EN61000-4-6
Safety Approvals	UL/cUL, TUV, CB, CE, CQC, FCC

Output	Minimum Load	Maximum Load	Condition	Ripple & Noise
+12V	0A	66.6A @800W 83.3A @1000W 133.0A @1600W		180mV p-p
+5Vsb	0A	2.0A		120mV p-p

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